DATA SHEET

Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Farm Duty Single-Phase

Product code : 10371318
Catalog # : 01018ES1DFD215T

Frame	: 215T
Output	: 10 HP (7.5 kW)
Poles	: 4
Frequency	: 60 Hz
Rated voltage	: 230 V
Rated current	: 40.5 A
L. R. Amperes	: 271 A
LRC	: 6.7x(Code G)
No load current	: 12.8 A
Rated speed	: 1740 rpm
Slip	: 3.33 %
Rated torque	: 30.2 ft.lb
Locked rotor torque	: 240 %
Breakdown torque	: 240 %
Insulation class	: F
Service factor	: 1.15
Moment of inertia (J)	: 1.15 sq.ft.lb

Locked rotor time	: 10s (cold) 6s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: F-1
Rotation¹	: Both (CW and CCW)
Starting method	: Direct On Line
Approx. weight³	: 187 lb

Output	25%	50%	75%	100%
Efficiency (%)	78.8	80.0	82.0	83.0
Power Factor	0.60	0.89	0.94	0.97

Foundation loads

Max. traction	: 315 lb
Max. compression	: 502 lb

		Drive end	Non drive end
Bearing type	:	6308 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:

This revision replaces and cancel the previous one, which must be eliminated.
(1) Looking the motor from the shaft end.
(2) Measured at 1m and with tolerance of +3dB(A).
(3) Approximate weight subject to changes after manufacturing process.
(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	26/03/2024		1 / 1	

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